Index of Claims

Application/Control No.

09/896,563

Examiner

Jude J. Jean-Gilles

Applicant(s)/Patent under Reexamination

HAMILTON ET AL.

Art Unit

2143

| <b>√</b> | Rejected |
|----------|----------|
| =        | Allowed  |

| 1 | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| + | Restricted                     |

| 2 | Non-Elected  |
|---|--------------|
| 1 | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla      | aim      |          |          |  | 1  | Dat  | e            |  |              |          | 1 | Cla   | aim      |          |   |          | -        | Date         | e        |              | _ |
|----------|----------|----------|----------|--|--|--|--------------|--|--------------|----------|---|-------|----------|----------|---|----------|----------|--------------|----------|--------------|---|
| Final    | Original | 8/11/06  |          |  |  |  |              |  |              |          |   | Final | Original |          |   |          |          |              |          |              | Ī |
|          | 1        |          |          |  |  |  |              |  |              |          |   |       | 51       |          |   |          |          |              |          |              | İ |
|          | 2        | _        |          |  |  | L  |              |  | L            |          |   |       | 52       |          |   |          |          |              |          |              | I |
| <u></u>  | 3        | _        |          | <u> </u>   | L  | <u> </u>   | _            | L  | <u>_</u>     |          |   |       | 53       |          |   | _        | L        | _            | L        | L            | ļ |
| <u></u>  | 4        | ļ        | L        | L  | L  | <u> </u>   |              | L_   | _            | <u> </u> | 1 |       | 54       |          |   | <u> </u> | <u> </u> | _            | L        | <u> </u>     | ļ |
|          | 5        |          | _        |  | <u> </u>   | <b>!</b> —                                       | <del> </del> | <u> </u>   | <u> </u>     | <u> </u> |   |       | 55       | _        |   | <u> </u> | <u> </u> | <u> </u>     | <u> </u> | <u> </u>     | ļ |
|          | 6        | _        | _        | ⊢  | ├  |  | <u> </u>     | <u> </u>   | <u> </u>     | ┝        |   |       | 56       | <u> </u> |   | _        | <u> </u> | <u> </u>     | <u> </u> | _            | 1 |
| ┝        | 7        | -        | _        | <u> </u>   | <u> </u>   | <u> </u>   |              |  | <u> </u>     | <u> </u> |   |       | 57       | L        |   | <u> </u> | $\vdash$ | _            | L        | _            | ł |
|          | 8<br>9   |          |          | $\vdash$   | ⊢  | <u> </u>   | ⊢            | ⊢  | <u> </u>     | -        |   |       | 58<br>59 |          |   | ⊢        | -        | _            | ┝        | -            | ļ |
|          | 10       | -        | -        |  | -  | -  | $\vdash$     |  | -            | -        |   |       | 60       | $\vdash$ |   | ⊢        | ⊢        | ├            | ┝        | ├            | 1 |
| -        | 11       | -        | ┝        |  | ├  | <del> </del>                                     | $\vdash$     | $\vdash$   | -            | -        |   |       | 61       | $\vdash$ |   | ⊢        | $\vdash$ | $\vdash$     | ⊢        | ⊢            | ł |
| -        | 12       | -        | -        | -  | ┢  | $\vdash$   | ╁            | ┢  | ┢            | ⊢        |   | -     | 62       |          |   | ┝        | $\vdash$ |              | -        | ⊢            | ł |
| <u> </u> | 13       | -        | -        | -  |  | -  | -            | ┢  | ┝            | ┝        |   |       | 63       |          |   | $\vdash$ | $\vdash$ | $\vdash$     | ┢        | ⊢            | t |
| <u> </u> | 14       |          | _        | ┢  | ┢  | $\vdash$   |              | <del> </del>                                     | ┢            |          |   |       | 64       |          |   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | t |
| $\vdash$ | 15       | _        | $\vdash$ | ┪  | 一  | $\vdash$   | $\vdash$     | $\vdash$   | <del> </del> | $\vdash$ |   |       | 65       | _        |   | _        | -        | ┢            |          | $\vdash$     | t |
|          | 16       |          |          | $\vdash$   | ┪  | Т  | 1            | T  |              |          |   |       | 66       |          |   | -        | ┢┈       | ┢            |          | Т            | t |
|          | 17       | 1        |          | Г  | Ι  | ┪  |              | Г  |              |          |   |       | 67       |          |   |          |          |              |          | $\vdash$     | t |
|          | 18       | 7        |          | Г  | T  | Г  | T            | Т  |              |          |   |       | 68       |          |   |          |          |              |          | $\vdash$     | t |
|          | 19       | 1        |          |  |  |  |              | $\vdash$   |              |          |   |       | 69       |          |   |          | _        |              |          |              | t |
|          | 20       | 1        |          | Π  | Г  | Г  |              |  |              |          |   |       | 70       |          |   |          |          |              |          |              | t |
|          | 21       | 1        |          | Г  | Γ  | Г  |              | Г  |              |          |   |       | 71       |          |   |          | Г        |              |          |              | t |
|          | 22       | 1        |          |  |  |  |              | Π  |              |          |   |       | 72       |          |   | Г        |          |              |          |              | t |
|          | 23       | 4        |          |  |  |  |              | П  |              |          |   |       | 73       |          |   |          |          |              |          |              | Ī |
|          | 24       | 1        |          |  |  |  | -            |  |              |          |   |       | 74       |          |   |          |          |              |          |              | Ī |
|          | 25       | 1        |          |  |  |  |              |  |              |          |   |       | 75       |          |   |          |          |              |          |              | Ī |
|          | 26       | 1        |          |  |  |  |              |  |              |          |   |       | 76       |          |   |          |          |              |          |              | I |
|          | 27       | 1        |          | L  |  |  | L            |  |              |          |   |       | 77       |          |   | L        | L        |              |          |              | l |
| L        | 28       | 7        |          | L  |  |  |              |  |              |          |   |       | 78       |          |   | _        | L        |              |          |              | ļ |
| L        | 29       | 1        |          | L  |  | L  | _            |  |              |          |   |       | 79       |          |   | _        | L        | <u> </u>     | _        | _            | l |
| L        | 30       | 1        | L        | $ldsymbol{ldsymbol{ldsymbol{ldsymbol{eta}}}$     | _  | _  | <u> </u>     | L  | _            |          |   |       | 80       |          |   | <u> </u> | L        | <u> </u>     |          | L            | ļ |
|          | 31       |          |          | <u> </u>   | <u> </u>   | L_   | L            | _  |              | L_       |   |       | 81       |          |   | _        | <u> </u> | _            |          | _            | 1 |
|          | 32       | 1        |          | <u> </u>   | <u> </u>   | _  | _            | <u> </u>   |              |          |   |       | 82       |          |   |          | <u> </u> | <u> </u>     |          | _            | ļ |
|          | 33       | 1        |          | ⊢  | <u> </u>   | <u> </u>   | <u> </u>     | _  | _            | _        |   |       | 83       | Н        |   | ⊢        | <u> </u> | <del> </del> | ├        | <u> </u>     | 1 |
|          | 34       | - <      | _        | ⊢  | -  | ⊢  | ⊢            | <del> </del>                                     |              | _        |   |       | 84       | Н        |   | ⊢        | ┝        | ⊢            | ├-       | -            | ł |
| <u> </u> | 35<br>36 | 77       | $\vdash$ | $\vdash$   | -  | ├-   | -            |  |              | $\vdash$ |   |       | 85       | Н        | _ | _        | ├-       | $\vdash$     | ├        | $\vdash$     | ł |
| <b>-</b> | 37       | 7        | $\vdash$ | ├  | <del> </del>                                     | $\vdash$   | $\vdash$     | ├-   | -            | $\vdash$ |   |       | 86<br>87 | $\vdash$ | _ | $\vdash$ | $\vdash$ | $\vdash$     |          | <del> </del> | ł |
| $\vdash$ | 38       | 7        | -        | $\vdash$   |  |  | ⊢            | -  | ├-           | $\vdash$ |   |       | 88       | Н        |   | $\vdash$ | $\vdash$ | $\vdash$     | ⊢        | $\vdash$     | ł |
| <b>—</b> | 39       | 7        | $\vdash$ | $\vdash$   | ├  | $\vdash$   | $\vdash$     | $\vdash$   | ⊢            | $\vdash$ |   |       | 89       | Н        |   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | t |
| $\vdash$ | 40       | 7        | $\vdash$ | Ι-   | $\vdash$   | <del>                                     </del> | $\vdash$     | ╁  | $\vdash$     | Н        |   |       | 90       | Н        |   | $\vdash$ | -        | $\vdash$     | ├-       | $\vdash$     | t |
| $\vdash$ | 41       | Ė        | Η-       | <del>  -  </del>                                 | $\vdash$   | -  | $\vdash$     |  | ╁            | $\vdash$ |   |       | 91       | Н        |   | $\vdash$ | $\vdash$ | $\vdash$     | $\vdash$ | $\vdash$     | t |
|          | 42       | $\vdash$ | М        | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$     | $\vdash$   | -            | H        |   |       | 92       | Н        | _ | $\vdash$ | H        | _            | $\vdash$ | $\vdash$     | t |
|          | 43       | Г        | $\vdash$ | Г  | T  | $\vdash$   | $\vdash$     | Г  | 1            |          |   |       | 93       | М        | _ | Г        |          |              | T        | $\vdash$     | t |
|          | 44       | П        |          |  | 1  |  | T            |  | Г            | П        |   |       | 94       | П        |   | Г        |          | Г            | T        |              | t |
|          | 45       |          |          | Г  | Г  | Г  |              | <del>                                     </del> |              |          |   |       | 95       |          |   |          | 1        | П            | Г        | П            | t |
|          | 46       |          |          |  | Γ  | Г  |              | Г  |              |          |   |       | 96       |          |   | Г        |          | $\Box$       | П        | П            | t |
|          | 47       |          |          |  |  |  |              |  |              |          |   |       | 97       |          |   |          |          |              |          |              | Ī |
|          | 48       |          |          |  |  |  | L            |  |              |          |   |       | 98       |          |   |          |          |              |          |              | Ţ |
|          | 49       |          |          |  |  |  |              |  |              |          |   |       | 99       |          |   | 匚        |          |              |          |              | ſ |
|          | 50       |          |          |  | Ĺ  |  |              |  |              |          |   |       | 100      |          |   | L        | 匚        |              |          |              | ĺ |

| Cla      | Claim    |          |          | Date   |          |                           |          |          |              |          |  |  |  |  |
|----------|----------|----------|----------|--|----------|---------------------------|----------|----------|--------------|----------|--|--|--|--|
|          |          | Г        |          |  |          |                           | Г        |          |              |          |  |  |  |  |
| l = −    | Original |          |          |  |          |                           | ı        | ŀ        |              |          |  |  |  |  |
| Final    | ğ        |          |          |  |          |                           | ŀ        |          |              |          |  |  |  |  |
| "        | ١ŏ       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | L        |          | L        |  |          | <u> </u>                  | L        |          | L_           | _        |  |  |  |  |
|          | 51       |          | L        |  |          |                           |          |          |              |          |  |  |  |  |
|          | 52       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 53       | $\vdash$ |          | _  |          | _                         | _        | _        | _            | Т        |  |  |  |  |
| _        | 54       | $\vdash$ | $\vdash$ | $\vdash$   |          | -                         | _        | ┝        | -            | ┢        |  |  |  |  |
|          | <u> </u> | ⊢        | <u> </u> | ⊢  | $\vdash$ | -                         |          | ├        |              | ┝        |  |  |  |  |
| -        | 55       | $\vdash$ | ⊢        | $\vdash$   | <u> </u> | <u> </u>                  | <u> </u> | <u> </u> |              | ⊢        |  |  |  |  |
|          | 56       | L_       | _        | _  |          |                           |          | $\Box$   | ᆫ            |          |  |  |  |  |
|          | 57       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 58       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 59       |          |          | $\vdash$   |          |                           |          |          |              |          |  |  |  |  |
| 1        | 60       | $\vdash$ | $\vdash$ |  | $\vdash$ | $\vdash$                  | ┢        | $\vdash$ | _            | $\vdash$ |  |  |  |  |
| <b>—</b> |          | ⊢        | $\vdash$ | $\vdash$   | $\vdash$ | -                         | Η-       | -        | ⊢            | ⊢        |  |  |  |  |
| <b>—</b> | 61       | $\vdash$ | H        | $\vdash$   | $\vdash$ | $\vdash$                  | $\vdash$ | $\vdash$ | $\vdash$     | ⊢        |  |  |  |  |
| <u> </u> | 62       | <u> </u> | Ц        | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | Щ        | $ldsymbol{ldsymbol{eta}}$ | <u> </u> | L_       | <u> </u>     | _        |  |  |  |  |
|          | 63       | L        |          |  |          | L                         |          |          | L            | <u> </u> |  |  |  |  |
|          | 64       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 65       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
| <b>—</b> | 66       |          | Н        | <del>                                     </del> | <u> </u> | $\vdash$                  | $\vdash$ | Н        | $\vdash$     | -        |  |  |  |  |
|          | 67       | Н        | $\vdash$ | $\vdash$   | $\vdash$ | ⊢                         | $\vdash$ | -        | $\vdash$     | -        |  |  |  |  |
| $\vdash$ |          |          | _        | _  | $\vdash$ | <u> </u>                  | $\vdash$ | _        | <u> </u>     | <u> </u> |  |  |  |  |
| <u></u>  | 68       |          |          |  |          | Ш                         |          |          | L            |          |  |  |  |  |
|          | 69       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 70       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 71       |          |          |  |          | Г                         |          |          |              |          |  |  |  |  |
|          | 72       | Н        |          | $\vdash$   | $\vdash$ | _                         |          |          |              |          |  |  |  |  |
| $\vdash$ | 73       |          |          |  | _        | $\vdash$                  | _        |          | $\vdash$     |          |  |  |  |  |
| $\vdash$ | 73       |          | -        |  |          | ⊢                         |          | _        | -            | _        |  |  |  |  |
| $\vdash$ | 74       |          |          | _  |          | L.                        |          |          |              |          |  |  |  |  |
|          | 75       |          |          |  |          | L                         |          |          |              |          |  |  |  |  |
|          | 76       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 77       |          |          |  |          |                           |          |          |              | 12       |  |  |  |  |
|          | 78       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 79       | $\vdash$ |          | $\vdash$   | _        | _                         |          |          | -            | _        |  |  |  |  |
| <b></b>  | 79       | _        | _        | _  | _        | <u> </u>                  | -        | _        | ┝            |          |  |  |  |  |
|          | 80       | _        |          | L  |          | _                         |          |          | _            |          |  |  |  |  |
|          | 81       | L        | L.       | _  | L        | 匚                         |          |          |              |          |  |  |  |  |
| L        | 82       |          | L.       | L  | LĴ       | L.                        | LĪ       | L        | L            | L        |  |  |  |  |
|          | 83       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 84       | П        |          | Г  |          |                           |          | _        | Г            | Г        |  |  |  |  |
| $\vdash$ | 85       | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$                  | $\vdash$ | Η-       |              | $\vdash$ |  |  |  |  |
| $\vdash$ | 00       | Н        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$                  | $\vdash$ | <u> </u> | $\vdash$     | -        |  |  |  |  |
| $\vdash$ | 86       | $\vdash$ | <u> </u> | $\vdash$   | $\vdash$ | $\vdash$                  | <u> </u> | _        | _            | <u> </u> |  |  |  |  |
| $\vdash$ | 87       | ᆫ        |          | $ldsymbol{f eta}$                                | Щ        | Щ                         | Ш        | Ш        | <u> </u>     | L_       |  |  |  |  |
|          | 88       |          |          |  |          |                           |          |          |              | •        |  |  |  |  |
|          | 89       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 90       |          |          |  |          |                           |          |          |              | Г        |  |  |  |  |
|          | 91       | Н        | -        | T  | Н        | $\vdash$                  | П        |          | $\vdash$     | ┢        |  |  |  |  |
| -        | 92       | $\vdash$ | <u> </u> | $\vdash$   | $\vdash$ |                           | H        | $\vdash$ | $\vdash$     | -        |  |  |  |  |
|          |          | ├        | <u> </u> | $\vdash$   |          | -                         | $\vdash$ | <b>—</b> | <u> </u>     | <u> </u> |  |  |  |  |
| $\vdash$ | 93       | Щ        | L        | _  | Ш        | L                         | L        | L_       | L.           | <u> </u> |  |  |  |  |
|          | 94       |          |          |  |          | L                         |          | L        | L            | L_       |  |  |  |  |
| L        | 95       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 96       |          |          |  |          |                           |          |          |              |          |  |  |  |  |
|          | 97       |          | Т        | $\vdash$   |          |                           | Т        | _        |              | 一        |  |  |  |  |
| $\vdash$ | 98       |          | -        | $\vdash$   | $\vdash$ | -                         | $\vdash$ | $\vdash$ | ├            | $\vdash$ |  |  |  |  |
| $\vdash$ |          | $\vdash$ | -        | $\vdash$   | $\vdash$ | $\vdash$                  |          | -        | <del> </del> | $\vdash$ |  |  |  |  |
| <u> </u> | 99       | <u> </u> | <u> </u> | <u> </u>   | <u> </u> | <u> </u>                  | <u> </u> | oxdot    | <u> </u>     | •        |  |  |  |  |
|          | 400      |          |          |  |          |                           |          |          |              |          |  |  |  |  |

| Cla   | aim                             | Date     |          |  |          |                |                   |          |          |                 |  |  |
|-------|---------------------------------|----------|----------|--|----------|----------------|-------------------|----------|----------|-----------------|--|--|
| Final | Original                        |          |          |  |          |                |                   |          |          |                 |  |  |
|       |                                 |          | _        | _  | _        | <u> </u>       | L                 | _        | _        | Н               |  |  |
|       | 102                             |          |          | $\vdash$   |          |                | $\vdash$          | Н        |          |                 |  |  |
|       | 101<br>102<br>103               |          |          |  |          |                |                   | П        |          | П               |  |  |
|       | 104<br>105<br>106               |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 105                             |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 106                             |          | _        | _  |          |                |                   |          |          | Ш               |  |  |
|       | 107                             | _        | L        | <u> </u>   | L        | Ш              | _                 |          | _        | Ш               |  |  |
|       | 107<br>108<br>109               | -        | <u> </u> | <u> </u>   | _        | H              | <u> </u>          |          | <u> </u> | Н               |  |  |
|       | 109                             |          | <u> </u> | ├  | i—       | H              |                   |          | <u> </u> | Н               |  |  |
|       | 110<br>111                      |          | -        | ├  | <u> </u> | H              | -                 | $\vdash$ | <u> </u> | Н               |  |  |
| -     | 112                             |          | -        | ├─   |          | $\vdash$       | _                 | $\vdash$ | _        | Н               |  |  |
|       | 112<br>113                      | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | <del>  -</del> |                   | $\vdash$ | H        | Н               |  |  |
|       | 114<br>115<br>116<br>117        | -        | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$       | <u> </u>          | $\vdash$ | <u> </u> | Н               |  |  |
|       | 115                             |          |          | $\vdash$   | Н        | Г              |                   | Г        |          | H               |  |  |
|       | 116                             |          |          | Г  |          |                |                   |          |          | П               |  |  |
|       | 117                             |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 118<br>119                      |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 119                             |          |          | _  |          |                |                   |          |          | Ш               |  |  |
|       | 120                             |          | L        | _  | _        | _              |                   |          |          |                 |  |  |
|       | 121                             | _        |          | ļ  | <u> </u> | <u> </u>       |                   |          | _        | Ш               |  |  |
|       | 122                             |          | _        | -  | -        | _              | _                 |          |          | Н               |  |  |
|       | 121<br>122<br>123<br>124<br>125 | _        |          | _  | H        | H              | $\vdash$          | _        |          | Н               |  |  |
|       | 124                             |          | -        | <del> </del>                                     | $\vdash$ | $\vdash$       |                   | -        |          | Н               |  |  |
|       | 126                             |          |          | $\vdash$   | $\vdash$ | $\vdash$       | _                 |          | Η.       | Н               |  |  |
|       | 127                             |          |          | ┪  |          | $\vdash$       | $\vdash$          |          |          | $\neg$          |  |  |
|       | 126<br>127<br>128               |          |          |  |          | $\vdash$       |                   |          |          | П               |  |  |
|       | 129<br>130<br>131<br>132        |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 130                             |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 131                             |          |          | _  |          |                |                   |          |          | Ш               |  |  |
|       | 132                             |          |          | <u> </u>   | ļ        | L              |                   | Ш        |          | Н               |  |  |
|       | 133                             | _        | ├-       | ├-   | $\vdash$ | <u> </u>       |                   | Н        |          | Н               |  |  |
|       | 134<br>135                      | -        | ┝        | ⊢  | $\vdash$ | -              | -                 | -        |          | Н               |  |  |
|       | 136                             |          | $\vdash$ | ⊢  | $\vdash$ | -              |                   | -        | _        | Н               |  |  |
|       | 137                             |          | -        | <del>                                     </del> | $\vdash$ | -              | $\vdash$          |          |          | Н               |  |  |
|       | 137<br>138                      |          |          | $\vdash$   |          |                | $\vdash$          | $\vdash$ |          | Н               |  |  |
|       | 139                             |          | $\vdash$ |  |          |                |                   |          |          | П               |  |  |
|       | 140                             |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 141                             |          |          |  |          |                |                   |          |          |                 |  |  |
|       | 142                             |          | L.       |  | $\Box$   | Ĺ              |                   |          | $\Box$   |                 |  |  |
|       | 143                             |          | L        | <u> </u>   | <u> </u> | L              | $ldsymbol{f eta}$ | L        | L        | Ш               |  |  |
|       | 144                             |          | <u> </u> | $\vdash$   | $\vdash$ | L              | $\vdash$          | <u> </u> | <u> </u> | Ш               |  |  |
|       | 145                             | -        | <u> </u> | ├-   |          | $\vdash$       | $\vdash$          | ļ        | -        | Н               |  |  |
|       | 146<br>147                      | Н        | <u> </u> | $\vdash$   | -        | Η.             | -                 | $\vdash$ | $\vdash$ | $\vdash \vdash$ |  |  |
| -     | 148                             | -        | $\vdash$ | ╁  | $\vdash$ | H              | ├-                | $\vdash$ | -        | Н               |  |  |
|       | 149                             | -        |          | $\vdash$   | $\vdash$ | $\vdash$       |                   | $\vdash$ | $\vdash$ | H               |  |  |
|       | 150                             |          | Г        | <del>                                     </del> |          |                | 一                 | Г        | H        | H               |  |  |
|       |                                 |          |          |  |          |                |                   |          | _        |                 |  |  |